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=> fil capl agricola caba biosis wpix; d que l5
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L1          940 SEA SALMON R?/AU
L2           35 SEA LANGTON D?/AU
L5            5 SEA L1 AND L2


=> dup rem l5
PROCESSING COMPLETED FOR L5
L41           3 DUP REM L5 (2 DUPLICATES REMOVED)
                ANSWERS '1-2' FROM FILE CAPLUS
                ANSWER '3' FROM FILE WPIX

=> d iall 1-3

L41  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2006 ACS on STN  DUPLICATE 1
ACCESSION NUMBER:         2006:542801  CAPLUS  Full-text
DOCUMENT NUMBER:          145:27874
ENTRY DATE:               Entered STN:  09 Jun 2006
TITLE:                    Preparation of (hetero)aryloxyacetamides as
                          agrochemical fungicides.
INVENTOR(S):              Salmon, Roger; Bacon, David Philip;
                          Chrystal, Ewan James Turner; Langton, David
                          William; Knee, Andrew Jonathan; Munns, Gordon
                          Richard; Quaranta, Laura; Brunner, Hans-Georg;
                          Beaudegnies, Renaud; Cederbaum, Fredrik; Murphy
                          Kessabi, Fiona
PATENT ASSIGNEE(S):       Syngenta Participations A.-G., Switz.; Syngenta Ltd.
SOURCE:                   PCT Int. Appl., 119 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
CLASSIFICATION:           27-16 (Heterocyclic Compounds (One Hetero Atom))
                          Section cross-reference(s): 5, 25, 28
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2006058700         A1    20060608    WO 2005-EP12735         20051129
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
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KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: GB 2004-26373 A 20041201

PATENT CLASSIFICATION CODES:

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2006058700	IPCI	C07D0409-12 [I,A]; C07D0409-00 [I,C*]; C07D0307-91 [I,A]; C07D0307-00 [I,C*]; C07D0277-68 [I,A]; C07D0277-00 [I,C*]; C07D0215-20 [I,A]; C07D0215-00 [I,C*]; C07D0213-65 [I,A]; C07D0213-00 [I,C*]; C07C0323-22 [I,A]; C07C0323-00 [I,C*]; A01N0043-12 [I,A]; A01N0043-02 [I,C*]; A01N0043-40 [I,A]; A01N0043-42 [I,A]; A01N0043-34 [I,C*]; A01N0043-78 [I,A]; A01N0043-72 [I,C*]; A01N0039-04 [I,A]; A01N0039-00 [I,C*]
	ECLA	C07C323/60

OTHER SOURCE(S): MARPAT 145:27874

ABSTRACT:
ArOCH(SOnR1)C(:L)NR2R3 [Ar = (substituted) (hetero)aryl, (hetero)cyclyl; R1 = alkyl, haloalkyl, cycloalkyl; R2 = H, alkyl, cycloalkyl, alkenyl, cyanoalkyl, alkoxyalkyl, alkoxyalkoxyalkyl, (substituted) benzyloxyalkyl; R3 = (CRaRb)p(CRcRd)qXr(CReRf)sR4; Ra-Rf = H, alkyl, halo, cyano, OH, alkoxy, alkoxycarbonyl; X = CO, CO2, O, S, SO, SO2, imino; L = O, S; p, r, s = 0, 1; n, q = 0-2], were prepared Thus, 5-chloro-3-hydroxypyridine, Et 2-bromo-2-methylthioacetate (preparation given), and K2CO3 were heated together in DMF at 80° for 1 h to give Et 2-(5-chloropyrid-3-yloxy)-2-methylthioacetate. The latter was saponified with NaOH in THF/H2O and the resulting acid was condensed with tert-butylamine to give 2-(5-chloropyridyl-3-yloxy)-2-methylthio-N-(2-methylprop-2-yl)acetamide. Numerous title compds. at 200 ppm gave ≥60% control of Plasmopara viticola on grapevine leaf disks.

SUPPL. TERM: heteroaryloxyacetamide prepn agrochem fungicide; alkylthioaryloxyacetamide prepn agrochem fungicide

INDEX TERM: Fungicides
Fungicides
(agrochem.; preparation of (hetero)aryloxyacetamides as agrochem. fungicides)

INDEX TERM:

889661-61-4	889661-62-5	889661-63-6	889661-64-7
889661-65-8	889661-66-9	889661-67-0	889661-68-1
889661-69-2	889661-70-5	889661-71-6	889661-72-7
889661-73-8	889661-74-9	889661-75-0	889661-76-1
889661-77-2	889661-78-3	889661-79-4	889661-80-7
889661-81-8	889661-82-9	889661-83-0	889661-84-1
889661-85-2	889661-86-3	889661-87-4	889661-88-5
889661-90-9	889661-92-1	889661-94-3	889661-96-5
889661-98-7	889662-00-4	889662-02-6	889662-04-8
889662-06-0	889662-08-2	889662-10-6	889662-12-8
889662-14-0	889662-16-2	889662-18-4	889662-20-8
889662-22-0	889662-23-1	889662-24-2	889662-25-3
889662-26-4	889662-27-5	889662-28-6	889662-29-7
889662-30-0	889662-31-1	889662-32-2	889662-33-3
889662-34-4	889662-35-5	889662-36-6	889662-37-7

889662-38-8 889662-39-9 889662-40-2 889662-41-3
889662-42-4 889662-43-5 889662-44-6 889662-45-7
889662-46-8 889662-47-9 889662-48-0 889662-49-1
889662-50-4 889662-51-5 889662-52-6 889662-53-7
889662-54-8 889662-55-9 889662-56-0 889662-57-1
889662-58-2 889662-59-3 889662-60-6 889662-61-7
889662-62-8
ROLE: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(preparation of (hetero)aryloxyacetamides as agrochem. fungicides)

INDEX TERM: 889660-84-8P 889660-85-9P
ROLE: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of (hetero)aryloxyacetamides as agrochem. fungicides)

INDEX TERM: 889660-01-9P 889660-02-0P 889660-03-1P 889660-04-2P
889660-05-3P 889660-06-4P 889660-07-5P 889660-08-6P
889660-09-7P 889660-10-0P 889660-11-1P 889660-12-2P
889660-13-3P 889660-14-4P 889660-15-5P 889660-16-6P
889660-17-7P 889660-18-8P 889660-19-9P 889660-20-2P
889660-21-3P 889660-22-4P 889660-23-5P 889660-24-6P
889660-25-7P 889660-26-8P 889660-27-9P 889660-28-0P
889660-29-1P 889660-30-4P 889660-31-5P 889660-32-6P
889660-33-7P 889660-34-8P 889660-35-9P 889660-36-0P
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889661-55-6P 889661-56-7P 889661-57-8P 889661-58-9P
889661-59-0P 889661-60-3P
ROLE: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (hetero)aryloxyacetamides as agrochem. fungicides)

INDEX TERM: 75-64-9, tert-Butylamine, reactions 86-77-1, 2-Dibenzofuranol 96-50-4, Thiazol-2-ylamine 98-80-6, Phenylboronic acid 100-46-9, Benzylamine, reactions 107-11-9, Allylamine 109-89-7, Diethylamine, reactions 124-40-3, Dimethylamine, reactions 124-41-4, Sodium

methoxide 371-40-4, 4-Fluoroaniline 527-54-8, 3,4,5-Trimethylphenol 585-32-0 617-89-0, 2-Aminomethylfuran 812-18-0 1692-15-5, Pyridine-4-boronic acid 1747-60-0, 2-Amino-6-methoxybenzothiazole 1885-29-6, 2-Cyanoaniline 2450-71-7, Propargylamine 3399-73-3, 1-Cyclohexene-1-ethanamine 4455-13-4, Ethyl 2-methylthioacetate 6293-83-0, 2-Iodo-4-nitroaniline 13669-57-3, 3-Bromo-6-hydroxyquinoline 13893-53-3 14036-96-5, 3-Bromo-6-methoxyquinoline 18166-02-4 19355-69-2 20719-68-0 26944-17-2, 2,2,3-Tribromopropanal 27757-85-3, (Thien-2-ylmethyl)amine 31914-32-6, 4-Amino-4-methylpent-2-yne 36567-04-1 42514-50-1 58537-99-8, 4-Cyano-3,5-dimethylphenol 73121-95-6, Di(cyclopropyl)amine 74115-12-1, 5-Chloro-3-hydroxypyridine 86544-43-6, 3-Bromo-6-methoxyquinolin-8-ylamine 92752-01-7 117460-98-7 196311-65-6, (1-Cyanocyclopropyl)amine 696611-46-8, 3,8-Dibromo-6-nitroquinoline 706790-28-5, tert-Butyl 2-bromo-2-(3,5-dichlorophenoxy)acetate 792855-86-8 808755-82-0, 6-Amino-3-bromo-8-chloroquinoline 858467-31-9 889660-83-7
ROLE: RCT (Reactant); RACT (Reactant or reagent)
(preparation of (hetero)aryloxyacetamides as agrochem. fungicides)

INDEX TERM: 2942-13-4P, 6-Methoxybenzothiazole 13599-84-3P, 6-Hydroxybenzothiazole 29507-86-6P, 3-Amino-6-methoxyquinoline 56078-31-0P, Ethyl 2-chloro-2-methylthio-acetate 100108-01-8P, Ethyl 2-bromo-2-methylthio-acetate 251660-96-5P 426842-85-5P, 3-Fluoro-6-methoxyquinoline 696611-70-8P, 6-Amino-3,8-dibromoquinoline 696611-81-1P, 3,8-Dibromo-6-hydroxyquinoline 696612-04-1P, 3-Chloro-6-hydroxyquinoline 808754-96-3P, tert-Butyl 2-methylthio-2-(3,5-dichlorophenoxy)acetate 808754-97-4P, 2-Methylthio-2-(3,5-dichlorophenoxy)acetic acid 808754-98-5P, 2-((Benzothiazol-6-yl)oxy)-2-(methylthio)acetic acid 808755-00-2P, 2-((5-Chloropyridyl-3-yl)oxy)-2-(methylthio)acetic acid 808755-06-8P, Ethyl 2-((5-chloropyridyl-3-yl)oxy)-2-(methylthio)acetate 808755-07-9P, 2-((3-Bromoquinolin-6-yl)oxy)-2-(methylthio)acetic acid 808755-18-2P, Ethyl 2-((benzothiazol-6-yl)oxy)-2-(methylthio)acetate 808755-47-7P, Ethyl 2-((3,8-dibromoquinolin-6-yl)oxy)-2-(methylthio)acetate 808755-48-8P, 2-((3,8-Dibromoquinolin-6-yl)oxy)-2-(methylthio)acetic acid 808755-49-9P 808755-50-2P, Ethyl 2-((3-bromoquinolin-6-yl)oxy)-2-(methylthio)acetate 808755-53-5P, 3-Fluoro-6-hydroxyquinoline 808755-54-6P, Ethyl ((3-fluoroquinolin-6-yl)oxy)-2-(methylthio)acetate 808755-83-1P, 3-Bromo-8-chloro-6-hydroxyquinoline 808755-84-2P, Ethyl 2-((3-bromo-8-chloroquinolin-6-yl)oxy)-2-(methylthio)acetate 808755-85-3P, 2-((3-Bromo-8-chloroquinolin-6-yl)oxy)-2-(methylthio)acetic acid 889660-53-1P, Ethyl 2-methylthio-2-(3,4,5-trimethylphenoxy)acetate 889660-54-2P, 2-Methylthio-2-(3,4,5-trimethylphenoxy)acetate 889660-55-3P, Ethyl 2-methylthio-2-(4-bromo-3,5-dimethylphenoxy)acetate 889660-56-4P, Ethyl 2-methylthio-2-(4-cyano-3,5-dimethylphenoxy)acetate 889660-57-5P, 2-Methylthio-2-(4-bromo-3,5-

dimethylphenoxy)acetic acid 889660-58-6P, 2-Methylthio-2-(4-cyano-3,5-dimethylphenoxy)acetic acid 889660-59-7P, Ethyl 2-((3-chloroquinolin-6-yl)oxy)-2-(methylthio)acetate 889660-60-0P, 2-((3-Chloroquinolin-6-yl)oxy)-2-(methylthio)acetic acid 889660-61-1P 889660-62-2P, ((3-Fluoroquinolin-6-yl)oxy)-2-(methylthio)acetic acid 889660-63-3P 889660-64-4P 889660-65-5P, 3-Bromo-6-hydroxy-8-methylquinoline 889660-66-6P, Ethyl 2-((3-bromo-8-methylquinolin-6-yl)oxy)-2-(methylthio)acetate 889660-67-7P, 2-((3-Bromo-8-methylquinolin-6-yl)oxy)-2-(methylthio)acetic acid 889660-68-8P, 3-Iodo-6-hydroxyquinoline 889660-69-9P, 3-Bromo-8-fluoroquinolin-6-ol 889660-70-2P, 3-Bromo-8-fluoro-6-methoxyquinoline 889660-71-3P, 2-((3-Bromo-8-fluoroquinolin-6-yl)oxy)-2-(methylthio)acetic acid ethyl ester 889660-72-4P, 2-((3-Bromo-8-fluoroquinolin-6-yl)oxy)-2-(methylthio)acetic acid 889660-73-5P, 3-Iodo-8-methylquinolin-6-ol 889660-74-6P, 2-((3-Iodo-8-methylquinolin-6-yl)oxy)-2-(methylthio)acetic acid ethyl ester 889660-75-7P, 2-((3-Iodo-8-methylquinolin-6-yl)oxy)-2-(methylthio)acetic acid 889660-76-8P, 3-Bromo-8-iodo-6-nitroquinoline 889660-77-9P, 3-Bromo-8-iodoquinolin-6-ylamine 889660-78-0P, 3-Bromo-8-iodoquinolin-6-ol 889660-79-1P, 2-((3-Bromo-8-iodoquinolin-6-yl)oxy)-2-(methylthio)acetic acid methyl ester 889660-80-4P, 2-((3-Bromo-8-iodoquinolin-6-yl)oxy)-2-(methylthio)acetic acid 889660-81-5P 889660-82-6P 889660-86-0P, 2-((3-Iodoquinolin-6-yl)oxy)-2-(methylthio)acetic acid
ROLE: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (hetero)aryloxyacetamides as agrochem. fungicides)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD.

REFERENCE(S):
(1) Anon; PATENT ABSTRACTS OF JAPAN 1994, V018(532), PP-1810
(2) Crowley, P; WO 2004047538 A 2004 CAPLUS
(3) Crowley, P; WO 2004048337 A 2004 CAPLUS
(4) Crowley, P; WO 2004052100 A 2004 CAPLUS
(5) Crowley, P; WO 2004108663 A 2004 CAPLUS
(6) Konica Corp; JP 06186702 A 1994 CAPLUS

L41 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 2004:467847 CAPLUS Full-text
DOCUMENT NUMBER: 141:38429
ENTRY DATE: Entered STN: 10 Jun 2004
TITLE: Preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides
INVENTOR(S): **Salmon, Roger; Langton, David William**
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
INT. PATENT CLASSIF.:
MAIN: C07C235-20
SECONDARY: A01N039-04
CLASSIFICATION: 25-10 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)

Section cross-reference(s): 5
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004048316	A1	20040610	WO 2003-GB4834	20031110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2502189	AA	20040610	CA 2003-2502189	20031110
AU 2003279471	A1	20040618	AU 2003-279471	20031110
EP 1567480	A1	20050831	EP 2003-772420	20031110
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016500	A	20051004	BR 2003-16500	20031110
CN 1717387	A	20060104	CN 2003-80104084	20031110
JP 2006507341	T2	20060302	JP 2004-554643	20031110
US 2006194763	A1	20060831	US 2006-536517	20060306
PRIORITY APPLN. INFO.:			GB 2002-27556 A	20021126
			WO 2003-GB4834 W	20031110

PATENT CLASSIFICATION CODES:

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004048316	ICM	C07C235-20
	ICS	A01N039-04
	IPCI	C07C0235-20 [ICM,7]; C07C0235-00 [ICM,7,C*]; A01N0039-04 [ICS,7]; A01N0039-00 [ICS,7,C*]
	IPCR	A01N0039-00 [I,C*]; A01N0039-02 [I,A]; A01N0039-04 [I,A]; C07C0235-00 [I,C*]; C07C0235-20 [I,A]
	ECLA	A01N039/02; A01N039/04; C07C235/20
CA 2502189	IPCI	C07C0235-20 [ICM,7]; C07C0235-00 [ICM,7,C*]; A01N0039-04 [ICS,7]; A01N0039-00 [ICS,7,C*]
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	ECLA	A01N039/02; A01N039/04; C07C235/20
AU 2003279471	IPCI	C07C0235-20 [ICM,7]; C07C0235-00 [ICM,7,C*]; A01N0039-04 [ICS,7]; A01N0039-00 [ICS,7,C*]
	IPCR	A01N0039-00 [I,C*]; A01N0039-02 [I,A]; A01N0039-04 [I,A]; C07C0235-00 [I,C*]; C07C0235-20 [I,A]
EP 1567480	IPCI	C07C0235-20 [ICM,7]; C07C0235-00 [ICM,7,C*]; A01N0039-04 [ICS,7]; A01N0039-00 [ICS,7,C*]
	IPCR	A01N0039-00 [I,C*]; A01N0039-02 [I,A]; A01N0039-04 [I,A]; C07C0235-00 [I,C*]; C07C0235-20 [I,A]
	ECLA	A01N039/02; A01N039/04; C07C235/20
BR 2003016500	IPCI	C07C0235-20 [ICM,7]; C07C0235-00 [ICM,7,C*]; A01N0039-04 [ICS,7]; A01N0039-00 [ICS,7,C*]
	IPCR	A01N0039-00 [I,C*]; A01N0039-02 [I,A]; A01N0039-04 [I,A]; C07C0235-00 [I,C*]; C07C0235-20 [I,A]
CN 1717387	IPCI	C07C0235-20 [I,A]; C07C0235-00 [I,C*]; A01N0039-04 [I,A]; A01N0039-00 [I,C*]
	ECLA	A01N039/02; A01N039/04; C07C235/20
JP 2006507341	IPCI	C07C0235-20 [I,A]; C07C0235-00 [I,C*]; A01N0039-04

[I,A]; A01N0039-00 [I,C*]; C07C0231-02 [I,A]; C07C0231-00 [I,C*]; C07C0253-30 [I,A]; C07C0253-00 [I,C*]; C07C0255-54 [I,A]; C07C0255-00 [I,C*]

FTERM 4H006/AA01; 4H006/AA02; 4H006/AA03; 4H006/AB03; 4H006/AC53; 4H006/BA51; 4H006/BA92; 4H006/BJ50; 4H006/BM30; 4H006/BM72; 4H006/BP10; 4H006/BR10; 4H006/BV22; 4H011/AA01; 4H011/BB06

US 2006194763 IPCI A01N0043-00 [I,A]; A01N0043-64 [I,A]; A01N0043-40 [I,A]; A01N0043-34 [I,C*]

NCL 514/063.000; 514/383.000; 514/621.000; 514/521.000; 514/210.010; 514/212.010; 514/317.000; 514/408.000; 540/600.000; 546/229.000

OTHER SOURCE(S): MARPAT 141:38429

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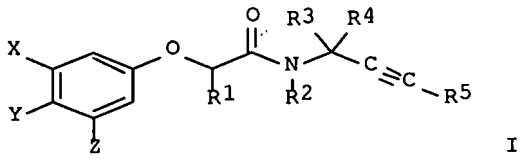

I

ABSTRACT:
The title compds. [I; X, Y, Z = H, halo, alkyl, etc.; R1 = alkoxyalkyl, alkylthioalkyl, alkylsulfinylalkyl, alkylsulfonylalkyl in which the total number of carbon atoms is 2 or 3; R2 = H, alkyl, alkoxymethyl, benzyloxymethyl in which Ph ring is optionally substituted with alkoxy; R3, R4 = H, alkyl, alkenyl, alkynyl; CR3R4 = (un)substituted 3-4 membered carbocyclic ring optionally containing one O, S or N atom; R5 = H, (un)substituted alkyl, cycloalkyl, Ph, thienyl, CH2Ph], were prepared E.g., a multi-step synthesis of I [X, Z = Cl; Y = H; R1 = CH2OMe; R2 = H; R3-R5 = Me] which showed at least 70% control of the following fungal infections at 200 ppm: Phytophthora infestans, Plasmopara viticola, Erypsiphe graminis f.sp. hordei, and at least 70% control at 20 ppm against Pythium ultimum, was given.

SUPPL. TERM: alkynyl phenoxy alkylamide prepn agrochem fungicide; amide alkynyl phenoxy prepn agrochem fungicide

INDEX TERM: Fungicides
(agrochem.; preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides)

INDEX TERM: Amides, preparation
ROLE: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides)

INDEX TERM: 701915-84-6P 701915-85-7P 701915-86-8P 701915-87-9P 701915-88-0P 701915-89-1P
ROLE: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides)

INDEX TERM: 527-54-8, 3,4,5-Trimethylphenol 591-35-5, 3,5-Dichlorophenol 1729-67-5, Methyl 2,3-dibromopropionate 2978-58-7, 3-Amino-3-methylbutyne 13528-93-3, 1,2-Bis(chlorodimethylsilyl)ethane 124993-53-9,

3-Cyano-5-methoxyphenol
ROLE: RCT (Reactant); RACT (Reactant or reagent)
(preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides)

INDEX TERM: 5933-08-4P, 4-Amino-4-methylpent-2-yne hydrochloride 27704-96-7P, Methyl 2-bromo-3-methoxypropionate 65090-78-0P, 2-Bromo-3-methoxypropionic acid 96908-79-1P, 1-(1,1-Dimethyl-2-propynyl)-2,2,5,5=tetramethyl-1-aza-2,5-disilacyclopentane 543690-51-3P, 1-(1,1-Dimethyl-2-butynyl)-2,2,5,5=tetramethyl-1-aza-2,5-disilacyclopentane 543690-80-8P 543691-07-2P 543691-09-4P 543691-10-7P 701915-90-4P, Methyl 2-(3,5-dichlorophenoxy)-3-methoxypropionate 701915-91-5P, 2-(3,5-Dichlorophenoxy)-3-methoxypropionic acid
ROLE: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD.

REFERENCE(S):

(1) Anon; PATENT ABSTRACTS OF JAPAN 1992, V016(180), PC-0935
(2) Baker, D; US 4049423 A 1977 CAPLUS
(3) Basf Ag; EP 0010298 A 1980 CAPLUS
(4) Hoechst Ag; DE 2948095 A 1981 CAPLUS
(5) Nihon Nohyaku Co Ltd; EP 0751120 A 1997 CAPLUS
(6) Shell Agrar Gmbh & Co Kg; DE 3702964 A 1988 CAPLUS
(7) Stauffer Chemical Co; FR 2359816 A 1978 CAPLUS
(8) Stauffer Chemical Co; EP 0001721 A 1979 CAPLUS
(9) Stauffer Chemical Co; US 4168319 A 1979 CAPLUS
(10) Tokuyama Soda Co Ltd; JP 04021677 A 1992 CAPLUS

L41 ANSWER 3 OF 3 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
ACCESSION NUMBER: 2005-048517 [05] WPIX
DOC. NO. CPI: C2005-016590
TITLE: New N-alkynyl-2-(substituted aryloxy) alkylthioamide derivatives, useful to combat or control phytopathogenic fungi in e.g. plant, seed of a plant and locus of the plant.
DERWENT CLASS: C02 C03
INVENTOR(S): BACON, D P; CROWLEY, P J; LANGFORD, D W; SAGEOT, O A; **SALMON, R; LANGTON, D W**
PATENT ASSIGNEE(S): (SYGN) SYNGENTA LTD
COUNTRY COUNT: 109
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2004108663	A1	20041216	(200505)*	EN	131	C07C323-22
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W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW						
EP 1638928	A1	20060329	(200623)	EN		C07C323-22
R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR						
AU 2004245282	A1	20041216	(200637)			C07C323-22
BR 2004010995	A	20060704	(200645)			C07C323-22

MX 2005013039 A1 20060301 (200649) A01N043-40

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2004108663	A1	WO 2004-GB2294	20040528
EP 1638928	A1	EP 2004-735260	20040528
		WO 2004-GB2294	20040528
AU 2004245282	A1	AU 2004-245282	20040528
BR 2004010995	A	BR 2004-10995	20040528
		WO 2004-GB2294	20040528
MX 2005013039	A1	WO 2004-GB2294	20040528
		MX 2005-13039	20051202

FILING DETAILS:

PATENT NO	KIND	PATENT NO
EP 1638928	A1 Based on	WO 2004108663
AU 2004245282	A1 Based on	WO 2004108663
BR 2004010995	A Based on	WO 2004108663
MX 2005013039	A1 Based on	WO 2004108663

PRIORITY APPLN. INFO: GB 2003-12863 20030604
INT. PATENT CLASSIF.:
MAIN: A01N043-40; C07C323-22
SECONDARY: C07C323-29; C07D213-16; C07D215-02; C07D235-06; C07D265-14; C07D271-12; C07D285-00

BASIC ABSTRACT:

WO2004108663 A UPAB: 20050124
NOVELTY - N-Alkynyl-2-(substituted aryloxy) alkylthioamide derivatives (I) are new.
DETAILED DESCRIPTION - N-Alkynyl-2-(substituted aryloxy) alkylthioamide derivatives of formula (I) are new. Ar = e.g. structure of formula (A); A1, A2, A3 = H, halo, (halo)1-4C alkyl ((optionally substituted with halo, OSO2(1-4C) alkyl (optionally substituted with 1-4C akoxycarbonyl, CONRmRn, CORm, NRmCORn, SO2NRmRn , NRmSO2R1, halo, CN or NO2)), (halo) 2-4C alkenyl, (halo) 2-4C alkynyl, (halo) 1-4C alkoxy or S(O)m 1-4C alkyl; R1 = 1-4C alkyl; R-m, R-n = H or 1-4C alkyl;
L , M = N, N-oxide or CQ (except that no more than one of L or M is N-oxide); R1 = methyl or ethyl, 1-6C alkyl; R2 = H, 1-4C alkyl, 1-4C alkoxymethyl or benzyloxymethyl (the phenyl ring of the benzyl moiety is optionally substituted with 1-4C alkoxy); R3, R4 = H, 1-3C alkyl, 2-3C alkenyl and 2-3C alkynyl; CR3R4 = 3 or 4 membered carbocyclic ring optionally containing one O, S or N atom, optionally substituted with halo or C1-4 alkyl; R5 = 1-4C alkyl or 3-6C cycloalkyl (optionally substituted with halo, OH, 1-6C alkoxy, CN, 1-4C alkylcarbonyloxy, aminocarbonyloxy or mono- or di-1-4C alkylaminocarbonyloxy, S(O)p1-6C alkyl), H, phenyl, thienyl or benzyl(all optionally substituted), optionally substituted phenyl, thienyl rings or moieties of the R5 values are optionally substituted with 1-3 substituents of halo, OH, mercapto, 1-4C alkyl, 2-4C alkenyl, 2-4C alkynyl, 1-4C alkoxy, 2-4C alkenyloxy, 2-4C alkynyloxy, halo1-4C alkyl, halo1-4C alkoxy, 1-4C alkylthio, halo1-4C alkylthio, hydroxy1-4C alkyl, 1-4C alkoxy1-4C alkyl, 3-6C cycloalkyl, 3-6C cycloalkyl1-4Calkyl, phenoxy, benzyloxy, benzoyloxy, CN, isocyano, thiocyanato, isothiocyanato, NO2, NR-pR-q, NHCOR-p, NHCONR-pR-q, CONR-pR-q, SO2R-o, OSO2R-o, COR-p, CR-p=NR-q or -N=CR-pR-q; p = 0-2, triazolyl, pyrazolyl, imidazolyl, tri-1-4C-alkylsilyloxy ((optionally substituted phenoxy, optionally substituted thienyloxy (optionally substituted benzyloxy or thienylmethoxy); R-o = (halo)1-4Calkyl, (halo)1-4Calkoxy, 1-4C alkylthio,

3-6C cycloalkyl, 3-6C cycloalkyl1-4Calkyl, phenyl or benzyl, the phenyl, benzyl (optionally substituted with halo, 1-4C alkyl or 1-4C alkoxy); R-p, R-q = H, 1-4C alkyl, halo1-4Calkyl, (halo)1-4Calkoxy, 1-4C alkylthio, 3-6C cycloalkyl, 3-6C cycloalkyl1-4Calkyl, phenyl or enzyl, the phenyl or benzyl (optionally substituted with halo, 1-4C alkyl or 1-4C alkoxy); and m, n = 0-2.

Provided that R3, R4 are not H and when both are other than H, when combined total of carbon atoms does not exceed 4. An INDEPENDENT CLAIM is also included for the preparation of (I). ACTIVITY - Fungicide; Herbicide; Insecticide; Acaricide. The fungicidal activity of (I) (20 ppm) was assessed against Pythium ultimum. The result showed that the percentage control of the fungi was at least 60%.

MECHANISM OF ACTION - None given.

USE - Compounds (I) are useful to combat or control phytopathogenic fungi in a plant, seed of a plant, in the locus of the plant or seed or in soil or any other plant growth medium (claimed). (I) are also useful to control pathogens e.g. Pyricularia oryzae on a plant. (I) are further useful as herbicidal, insecticidal, nematocidal or acaricidal agent. Dwg.0/0

FILE SEGMENT: CPI
FIELD AVAILABILITY: AB; GI; DCN
MANUAL CODES: CPI: C06-H; C07-H; C10-A03; C10-A09B; C10-A10; C10-A15; C10-B04; C10-D03; C14-A06; C14-B03A; C14-B04; C14-V01

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FILE 'REGISTRY' ENTERED AT 11:26:32 ON 11 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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experimental property data in the original document. For information
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http://www.cas.org/ONLINE/UG/regprops.html

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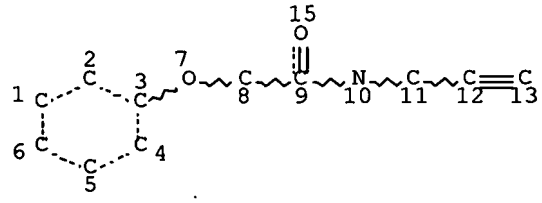

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
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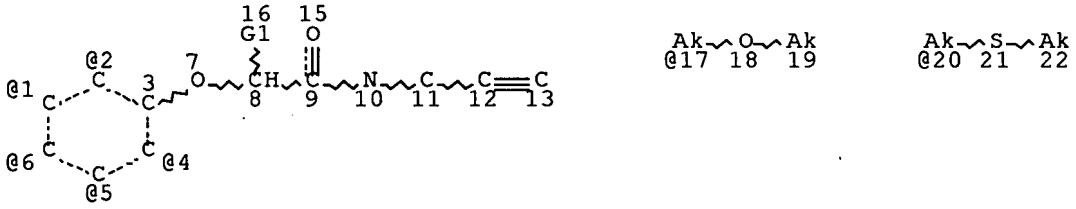

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100.0% PROCESSED 157 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html
'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L42 1 L20

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FILE 'MARPAT' ENTERED AT 11:27:08 ON 11 SEP 2006
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FILE CONTENT: 1961-PRESENT VOL 145 ISS 11 (20060908/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US	2006173222	03 AUG 2006
DE	102004060247	29 JUN 2006
EP	1674581	28 JUN 2006
JP	2006173552	29 JUN 2006
WO	2006084934	17 AUG 2006
GB	2421183	21 JUN 2006
FR	2879932	30 JUN 2006
RU	2278134	20 JUN 2006
CA	2514007	16 JUN 2006

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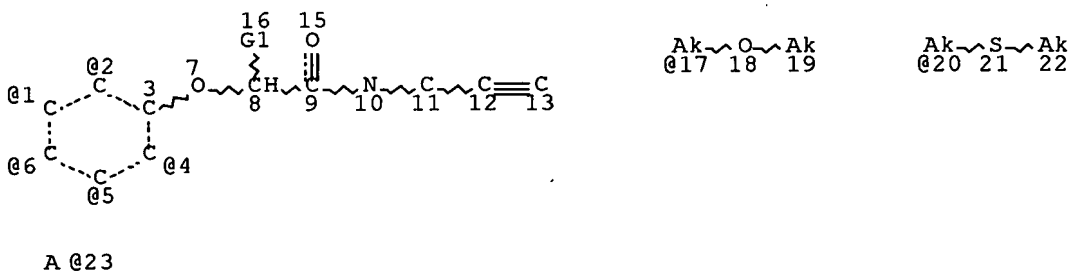

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L35             4 SEA FILE=MARPAT ABB=ON  L34/COMPLETE


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PROCESSING COMPLETED FOR L42
PROCESSING COMPLETED FOR L35
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                  ANSWER '1' FROM FILE CAPLUS
                  ANSWERS '2-4' FROM FILE MARPAT

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L43  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2006 ACS on STN  DUPLICATE 1
ACCESSION NUMBER:         2004:467847  CAPLUS  Full-text
DOCUMENT NUMBER:          141:38429
TITLE:                    Preparation of N-alkynyl-2-(substituted phenoxy)
                          alkylamides as fungicides
INVENTOR(S):              Salmon, Roger; Langton, David William
PATENT ASSIGNEE(S):       Syngenta Limited, UK
SOURCE:                   PCT Int. Appl., 57 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
     WO 2004048316        A1    20040610    WO 2003-GB4834          20031110
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
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             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
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     EP 1567480           A1    20050831    EP 2003-772420          20031110
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US 2006194763 A1 20060831 US 2006-536517 20060306
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WO 2003-GB4834 W 20031110

OTHER SOURCE(S): MARPAT 141:38429
ED Entered STN: 10 Jun 2004
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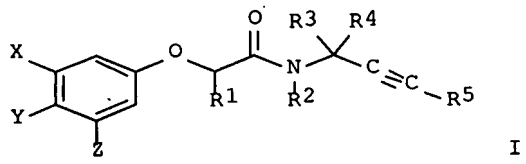

I

AB The title compds. [I; X, Y, Z = H, halo, alkyl, etc.; R1 = alkoxyalkyl, alkylthioalkyl, alkylsulfinylalkyl, alkylsulfonylalkyl in which the total number of carbon atoms is 2 or 3; R2 = H, alkyl, alkoxymethyl, benzyloxymethyl in which Ph ring is optionally substituted with alkoxy; R3, R4 = H, alkyl, alkenyl, alkynyl; CR3R4 = (un)substituted 3-4 membered carbocyclic ring optionally containing one O, S or N atom; R5 = H, (un)substituted alkyl, cycloalkyl, Ph, thienyl, CH2Ph], were prepared E.g., a multi-step synthesis of I [X, Z = Cl; Y = H; R1 = CH2OMe; R2 = H; R3-R5 = Me] which showed at least 70% control of the following fungal infections at 200 ppm: Phytophthora infestans, Plasmopara viticola, Erypsiphe graminis f.sp. hordei, and at least 70% control at 20 ppm against Pythium ultimum, was given.

IT **701915-84-6P 701915-85-7P 701915-86-8P**
701915-87-9P 701915-88-0P 701915-89-1P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides)

RN 701915-84-6 CAPLUS
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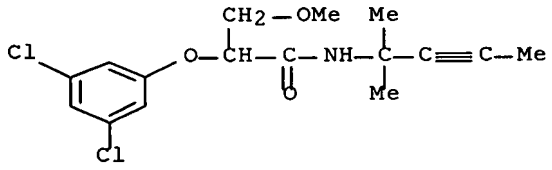

RN 701915-85-7 CAPLUS
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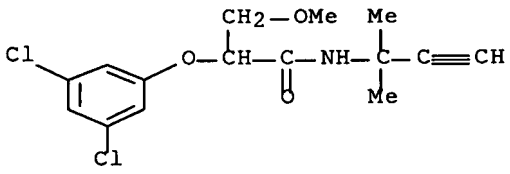

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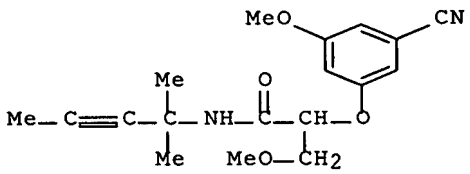
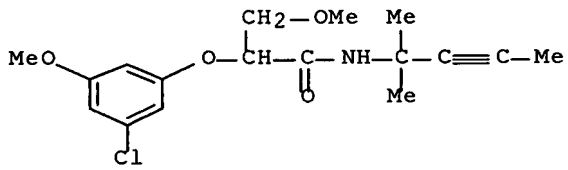


RN 701915-87-9 CAPLUS
CN Propanamide, 2-(3-chloro-5-methoxyphenoxy)-N-(1,1-dimethyl-2-butynyl)-3-methoxy- (9CI) (CA INDEX NAME)



RN 701915-88-0 CAPLUS
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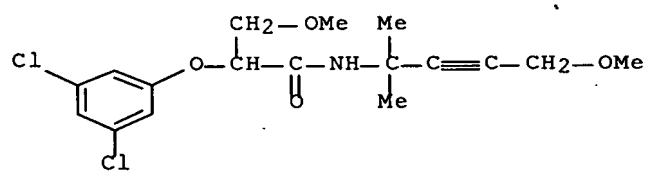
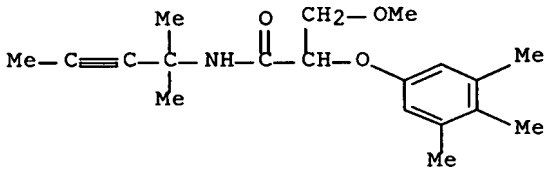


RN 701915-89-1 CAPLUS
CN Propanamide, N-(1,1-dimethyl-2-butynyl)-3-methoxy-2-(3,4,5-trimethylphenoxy)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L43 ANSWER 2 OF 4 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 142:56290 MARPAT Full-text
TITLE: Preparation of N-alkynyl-2-heteroaryloxyalkylamides as agrochemical fungicides
INVENTOR(S): Salmon, Roger; Crowley, Patrick Jelf
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004108694	A1	20041216	WO 2004-GB2308	20040528
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2525093	AA	20041216	CA 2004-2525093	20040528
EP 1633730	A1	20060315	EP 2004-735275	20040528
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1798743	A	20060705	CN 2004-80015282	20040528
BR 2004011040	A	20060711	BR 2004-11040	20040528
PRIORITY APPLN. INFO.:			GB 2003-12864	20030604
			WO 2004-GB2308	20040528

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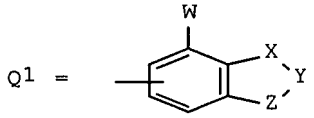
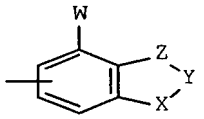
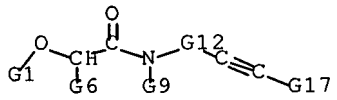


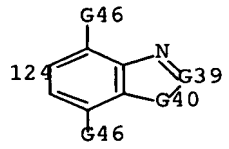


AB HetOCHR1CONR2CR3R4C.tplbond.CR5 [Het = Q1, Q2; W = H, halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfinyl, haloalkylsulfonyl, cyano, NO2; X = N, NH, NA; A = alkyl; Y, Z = CR, N, NH, NA, O, S; R = H, halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfinyl, haloalkylsulfonyl, alkylamino; R1 = alkoxy, (substituted) alkyl, alkenyl, alkynyl, alkoxyalkyl, alkylthioalkyl, alkylsulfinylalkyl, alkylsulfonylalkyl; R2 = H, alkyl, alkoxymethyyl, (alkoxy)benzyloxymethyl; R3, R4 = H, alkyl, alkenyl, alkynyl; R3R4C = atoms to form a (substituted) 3-4 membered ring optionally containing 1 O, S, or N atom; R5 = H, (substituted) alkyl, cycloalkyl, Ph, thienyl, PhCH2, etc.; with provisos], were prepared Thus, 6-hydroxybenzothiazole (preparation given), 2-bromo-N-(4-methylpent-2-yn-4-yl)butyramide (preparation given) and K2CO3 were stirred together in DMF at 90° for 6 h to give 2-(6-benzothiazolyloxy)-N-(4-methylpent-2-yn-4-yl)butyramide. Several title compds. at 200 ppm gave ≥60% control of Erysiphe grainis, Phytophthora infestans, and Plasmopara viticola.

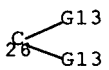
MSTR 1



G1 = 124



G6 = alkyl <containing 1-4 C>
(opt. substd. by 1 or more G7)
G7 = alkoxycarbonyl <containing 1-4 C>
G12 = 26



G46 = CN
Patent location: claim 1

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L43 ANSWER 3 OF 4 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 141:38428 MARPAT Full-text
TITLE: Preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides

INVENTOR(S): Salmon, Roger; Crowley, Patrick Jelf; Bacon, David Philip
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004048315	A1	20040610	WO 2003-GB4832	20031110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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CA 2502186	AA	20040610	CA 2003-2502186	20031110
AU 2003280948	A1	20040618	AU 2003-280948	20031110
EP 1567479	A1	20050831	EP 2003-772418	20031110
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016565	A	20051004	BR 2003-16565	20031110
CN 1714073	A	20051228	CN 2003-80103405	20031110
JP 2006507340	T2	20060302	JP 2004-554642	20031110
PRIORITY APPLN. INFO.:			GB 2002-27551	20021126
			WO 2003-GB4832	20031110

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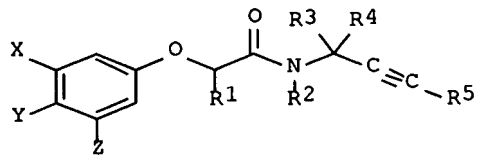
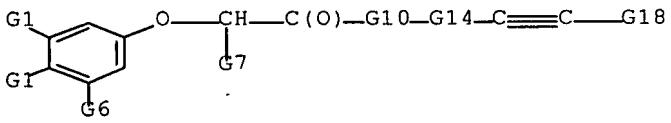


I

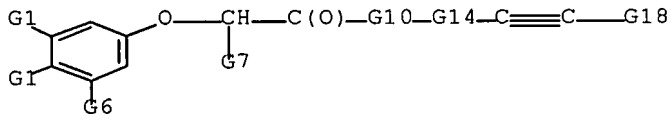
AB The title compds. [I; X, Y, Z = H, halo, alkyl, etc.; R1 = alkyl, alkenyl, alkynyl in which all three groups are optionally substituted on their terminal carbon atom; R2 = H, alkyl, alkoxymethyl, benzyloxymethyl in which Ph ring is optionally substituted with alkoxy; R3, R4 = H, alkyl, alkenyl, alkynyl; CR3R4 = (un)substituted 3-4 membered carbocyclic ring optionally containing one O, S or N atom; R5 = H, (un)substituted alkyl, cycloalkyl, Ph, thienyl, CH2Ph; with the provisos], were prepared E.g., a multi-step synthesis of I [X, Z = Cl; Y = H; R1 = Et; R2 = H; R3, R4 = Me; R5 = CH2OH] which gave more than 60% control of the following fungal infections at 200 ppm: Phytophthora infestans, Plasmopara viticola, Erypsiphe graminis f.sp. hordei, and more than 60% control at 20 ppm against Pythium ultimum, was given.

MSTR 1A



G1 = CN
G7 = carbon chain <containing 1-4 C,
0 or more double bonds, 0 or more triple bonds>
(opt. substd. by 1 or more G8)
G8 = alkoxycarbonyl <containing 1-4 C>
G10 = NH
G14 = CMe2
Patent location: claim 1
Note: substitution is restricted

MSTR 1B



G1 = CN
G7 = carbon chain <containing 1-4 C,
0 or more double bonds, 0 or more triple bonds>
(opt. substd. by 1 or more G8)
G8 = alkoxycarbonyl <containing 1-4 C>
G10 = NH
G14 = CMe2
Patent location: claim 1
Note: substitution is restricted

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L43 ANSWER 4 OF 4 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 141:2846 MARPAT Full-text
TITLE: Preparation of quinoline-, isoquinoline-, and quinazolinoxyalkylamides as fungicides
INVENTOR(S): Crowley, Patrick Jelf; Salmon, Roger
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004047538	A1	20040610	WO 2003-GB4631	20031027

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2502183	AA	20040610	CA 2003-2502183	20031027
AU 2003276400	A1	20040618	AU 2003-276400	20031027
EP 1567010	A1	20050831	EP 2003-811792	20031027
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016496	A	20051011	BR 2003-16496	20031027
CN 1717175	A	20060104	CN 2003-80104073	20031027
JP 2006507339	T2	20060302	JP 2004-554637	20031027
US 2006019973	A1	20060126	US 2005-536475	20050525
PRIORITY APPLN. INFO.:			GB 2002-27555	20021126
			WO 2003-GB4631	20031027

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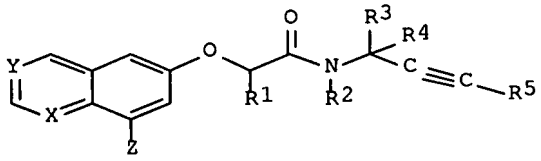
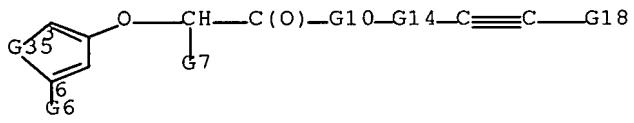


I

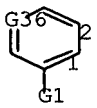
AB The title compds. I [one of X and Y is N or N oxide and the other is CR or both of X and Y are N; Z = H, halo, (halo)alkyl, etc.; R1 = (un)substituted alkyl, alkenyl, alkynyl, etc.; R2 = H, alkyl, alkoxymethyl or (phenyl)benzyloxymethyl; R3,R4 = H alkyl, alkenyl or alkynyl; R3R4 = (un)substituted carbocyclyl, optionally containing O, S or N heteroatoms; R5 = H, (un)substitued (cyclo)alkyl, etc.] are prepared as fungicides.

MSTR 1A



G6 = cycloalkyl <containing 3-6 C>
(opt. substd. by 1 or more G2)
G7 = carbon chain <containing 1-4 C,
0 or more double bonds, 0 or more triple bonds>
(opt. substd. by 1 or more G8)
G8 = alkoxycarbonyl <containing 1-4 C>
G10 = NH

G14 = CMe2
G35 = 2-3 1-6



Patent location: claim 1
Note: substitution is restricted

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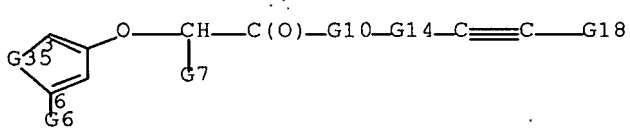
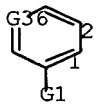


G6 = cycloalkyl <containing 3-6 C>
(opt. substd. by 1 or more G2)
G7 = carbon chain <containing 1-4 C,
0 or more double bonds, 0 or more triple bonds>
(opt. substd. by 1 or more G8)
G8 = alkoxycarbonyl <containing 1-4 C>
G10 = NH
G14 = CMe2
G35 = 2-3 1-6



Patent location: claim 1
Note: substitution is restricted

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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http://www.stn-international.de/stndatabases/details/dwpi_r.html <<<
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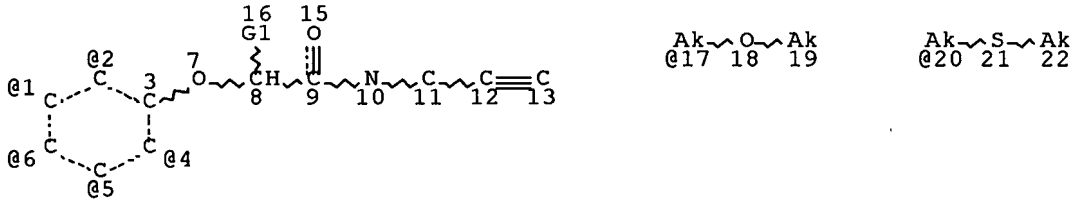


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CONNECT IS E2  RC AT  20
CONNECT IS E1  RC AT  22
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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STEREO ATTRIBUTES: NONE
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